TABLE II

Clone	ZE9.2	ZE9.3	ZE9.4	ZE9.5	ZE9.6	ZE9.7	ZE9.8	ZE9.9	ZE9.10
LPZ286	219.7	21.9	13.6	234.9	78.6	2703.6	198.4	947.9	1233.2
LPZ287	112.6	126.2	36.5	1170.3	459.9	306.3	157.5	1173.7	1821.3
LPZ288	23.6	62.2	37.5	774.1	639.3	792.6	715.8	1422.6	1169
LPZ289	44.1	13.1	107.4	323.4	95	9975.4	889.5	2240.6	1894.9
LPZ290	1324.7	1572.4	1838	6941.6	4616.9	2995.3	11538.8	407.1	12699.5
LPZ293	45.2	246.3	145.6	2785.5	1923.1	0	3185.6	0	3550.4
LPZ294	0	19.8	0	403.3	280.4	89.1	785.9	551.6	1378.4
LPZ295	40	24.5	0	169.9	26	1324.9	1058	848.8	1406.5
LPZ297	385.6	127.6	17.4	1238.5	941.5	0	2680.9	2084.3	4065.3
LPZ299	106.9	36.2	0	0	926.2	0	1060.7	1854.9	1575.9
LPZ300	73.2	93.2	80.2	0	1143.6	1053.3	1034.5	2304.9	2120.8
LPZ301	126.2	0	5.8	161.2	1245.7	516.3	1612	761.3	2826.1
LPZ303	83.1	488.8	98.6	0	73.5	979.9	538.7	510.7	1214.7
LPZ304	213.7	498.3	137.6	1028.6	0	5405.8	860	2212.1	2201
LPZ306	1439.4	1735.3	2526.4	4212.7	3140.4	2090.1	8128.5	4874.6	14413.9
LPZ307	534.1	710.5	515.5	2785.3	734	0	2137.3	1692.8	3540.3
LPZ308	116	304.4	137.7	151.8	28.2	364.2	621.1	631.4	851.2
LPZ309	80.1	137.2	92.7	0	0	2648.1	529.4	192.6	735
LPZ310	430.8	584.9	799.2	1887.2	1887.1	6161.2	2974.3	3575	2426.6
LPZ311	690.5	995 7	208.4	3725.8	2843.8	0	4329.3	3620.8	4170.1
LPZ312	109.8	334.2	34	72.5	4.5	1489.3	140.1	431.6	744.8
LPZ314	26.5	200.1	3.3	181.2	0	1231.5	331.5	440.1	804.6
LPZ315	305.8	211.3	147.5	811.2	1008.1	3797	2231.8	1438.8	1881.8
LPZ318	621.3	715	337	3488.2	2480.9	781.9	4326.1	4824.7	6969.2
LPZ320	214.8	92.2	9.9	1170.9	54.5	4501.5	1122.3	1169.4	1696.6
LPZ321	880.4	755.2	1899.3	6166.2	5105.8	411.6	6096.5	4853.6	6057.2

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TABLE III

LSC Media	Multiplication Media		Maturation Media
Components (mg/L)	16	1133	923
NH_4NO_3	603.8	603.8	200.0
KNO_3	909.9	909.9	454.95
KH_2PO_4	136.1	136.1	136.1
$Ca(NO_3)_2 \bullet 4H_2O$	236.2	236.2	59.05
$MgSO_4 \bullet 7H_2O$	246.5	246.5	246.5
$Mg(NO_3)_2 \bullet 6H_2O$	256.5	256.5	256.5
$MgCl_2 \bullet 6\ H_2O$	101.7	101.7	101.7
KI	4.15	4.15	4.15
H_3BO_3	15.5	15.5	7.75
$MnSO_4 \bullet H_2O$	10.5	10.5	10.5
$ZnSO_4 \bullet 7\ H_2O$	14.4	14.4	14.4
$NaMoO_4 \bullet 2\ H_2O$	0.125	0.125	0.125
$CuSO_4 \bullet 5\ H_2O$	0.125	0.125	0.125
$CoCl_2 \bullet 6\ H_2O$	0.125	0.125	0.125
$FeSo_4 \bullet 7\ H_2O$	6.95	6.95	41.7
Na_2EDTA	9.33	9.33	55.9
Sucrose	30,000	30,000	--
Maltose	--	--	20,000
myo-Inositol	1,000	1,000	100
Casamino acids	500	500	500
L-Glutamine	450	450	450
Thiamine•HCl	1.0	1.0	1.0
Pyridoxine•HCl	0.5	0.5	0.5
Nicotinic acid	0.5	0.5	0.5
Glycine	2.0	2.0	2.0
2,4-D	1.1	1.1	--
BAP	0.45	0.45	--
Kinetin	0.43	0.43	--
Polyethylene glycol	--	--	130,000
ABA	--	5.2	5.2
Gelrite	*2,500**	*2,500**	2,500
pH	5.7	5.7	5.7

*For solid media only

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TABLE IV

Clone #	Homology	Description	ID with Arabidopsis	Score	E-value
PC04B12 ('LEC' in figure)	Lotan et al.. 1998. Arabidopsis *LEAFY COTYLEDON* 1 is sufficient to Induce Embryo Development in Vegetative Cells. Cell 93:1195-1205	Required for embryo maturation & Cotyledon identity. Ectopic expression induces embryonic differentiation traits in transgenic seedlings.	79%ID, 93% + ve over 96aa	171	7e-44
ST17B05 ('PLK' in figure)	PICLKE/CDH3, Chromatin remodelling . Ogas et al. 1999. PICKLE is a CHD3 chromatin-remodeling factor that regulates the transition from embryonic to vegetative development in *Arabidopsis*. PNAS. 96(24): 13839-13844	The *pickle* mutants express embryonic traits after germination. Represses lec expression	50% ID, 74% + ve over 155aa	166	1e-41
PC08C06 ('FIE' in figure.)	FIE, fertilization-independent endosperm protein. Ohad, et al 1999.Mutations in FIE, a WD polycomb group gene, allow endosperm development without fertilization. Plant Cell 11 (3), 407-416	*Fie* mutants initiate endosperm development w/o fertilization	61% ID 75% +ve over 67aa	92	8e-20

Table 4. Description of clones used in hybridization study shown in Figure 9.

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